

Abstract of the Disclosure

FUEL FILTER ASSEMBLY WITH AN INTEGRATED HEATER

A fuel filter assembly includes a filter assembly housing with an annular outer surface and a fuel filter positioned within the filter assembly housing. A heater element is positioned between the annular outer surface of the filter assembly housing and the fuel filter. The fuel filter assembly is part of a fuel system attached to an engine. The filter assembly housing has an inlet and outlet. Fuel traveling through the fuel filter is heated by the heater element when the fuel temperature is below a predetermined temperature. The predetermined temperature preferably corresponds to a temperature below which paraffins form in the fuel. The invention assists in a cold start by avoiding a clogged fuel filter due to paraffin formation.